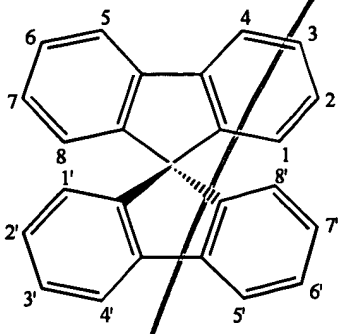
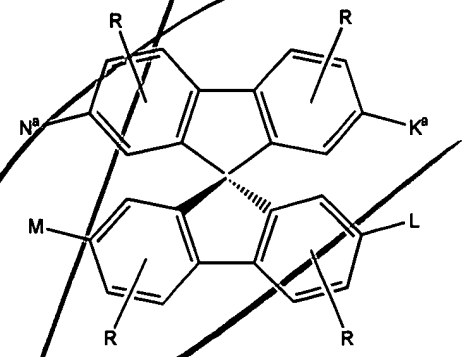
6. The laser of claim 5, wherein said spiro compound is a spirobifluorene of formula (II)



(II)

where the benzo groups can be substituted and/or fused independently of one another.

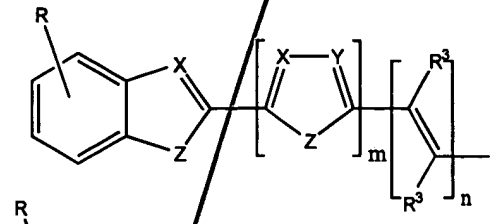
7. The laser of claim 5, wherein said spiro compound is a spirobifluorene derivative of formula (III)

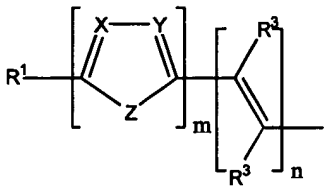


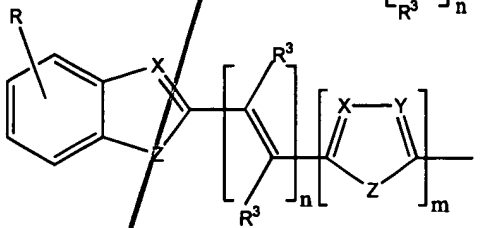
(III)

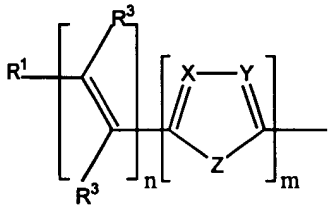
wherein:

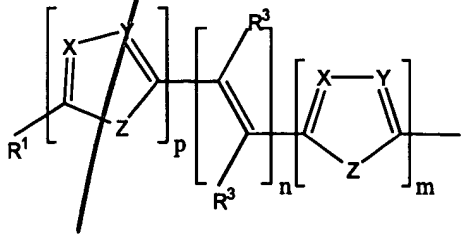
K^a, L, M, N^a are identical or different and are

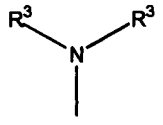












R is identical or different and has the same meaning as K^a, L, M, N^a or is H, a linear or branched alkyl, alkoxy or ester group having from 1 to 22 carbon atoms, -CN, $-NO_2$, $-NR^2R^3$, -Ar or -O-Ar;

Ar is phenyl, biphenyl, 1-naphthyl, 2-naphthyl, 2-thienyl, or 2-furyl, with each optionally substituted with one or two radicals R;

m, n, p are 0, 1, 2 or 3;

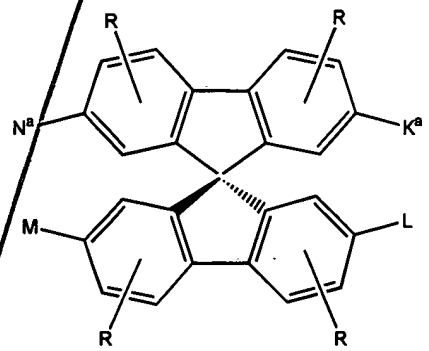
X, Y are identical or different and are CR or nitrogen;

Z is -O-, -S-, $-NR^1$-, $-CR^1R^4$-, -CH=CH-, or -CH=N-;

R^1, R^4 are identical or different and have the same meaning as R; and

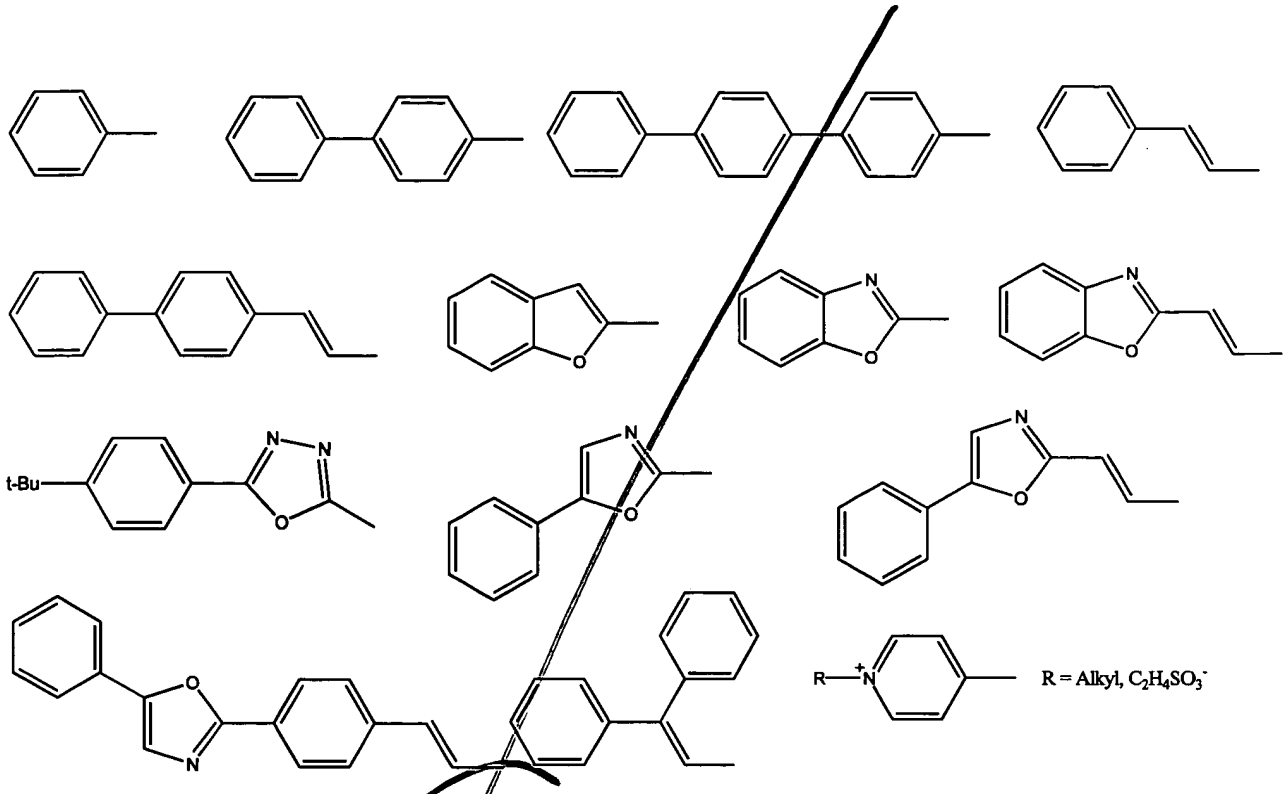
R^2, R^3 are identical or different and are H, a linear or branched alkyl group having from 1 to 22 carbon atoms, -Ar, or 3-methylphenyl.

8. The laser of claim 5, wherein said spiro compound is a spirobifluorene compound selected from the group consisting of the spirobifluorene compounds of the formula (IIIa) to (IIIg), wherein formula (III) is:

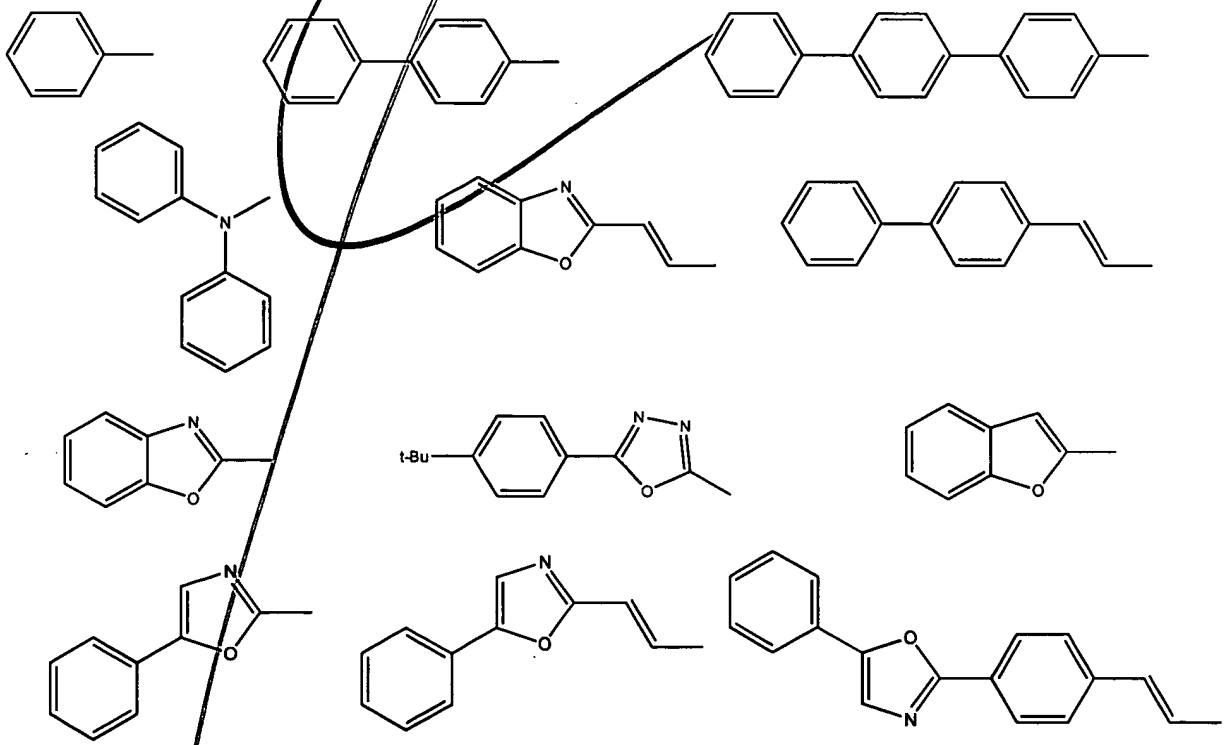


and the spirobifluorene compounds (IIIa to IIIg) are derivatives of formula (III) as follows:

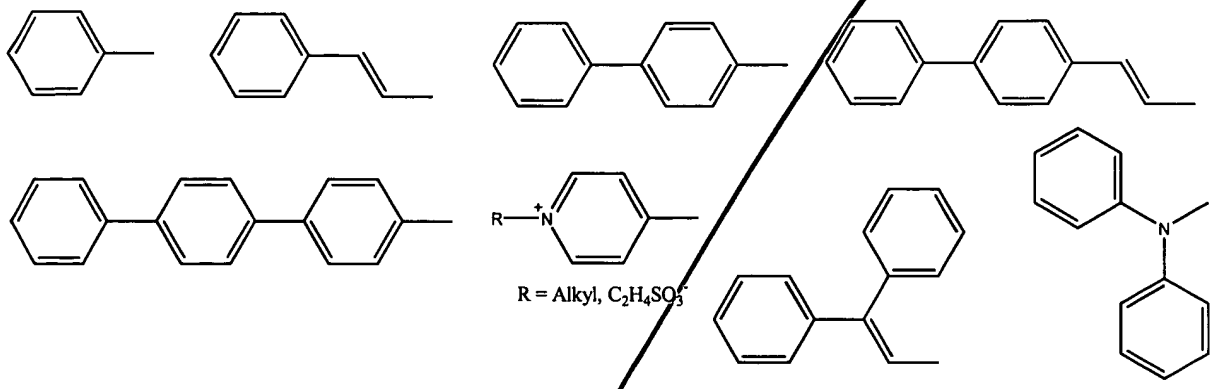
IIIa) $K^a = L = M = N^a$ and is selected from the group consisting of:



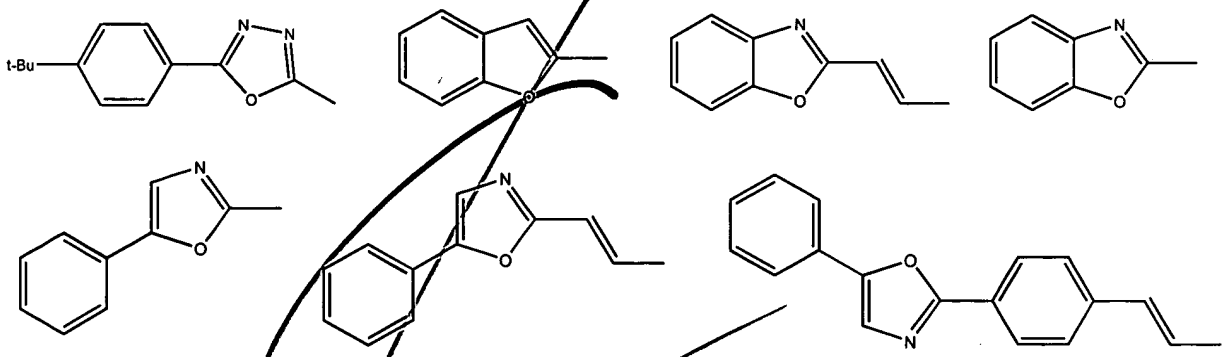
IIIb) K^a = M = H and N^a = L and is selected from the group consisting of:



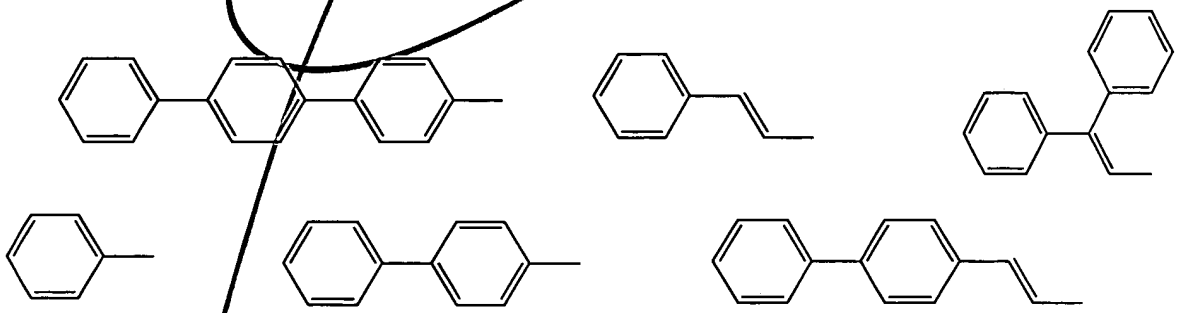
IIIc) K^a=M and is selected from the group consisting of:



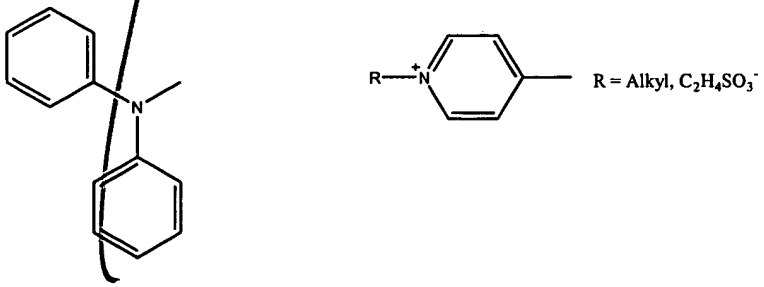
and N^a = L and is selected from the group consisting of:



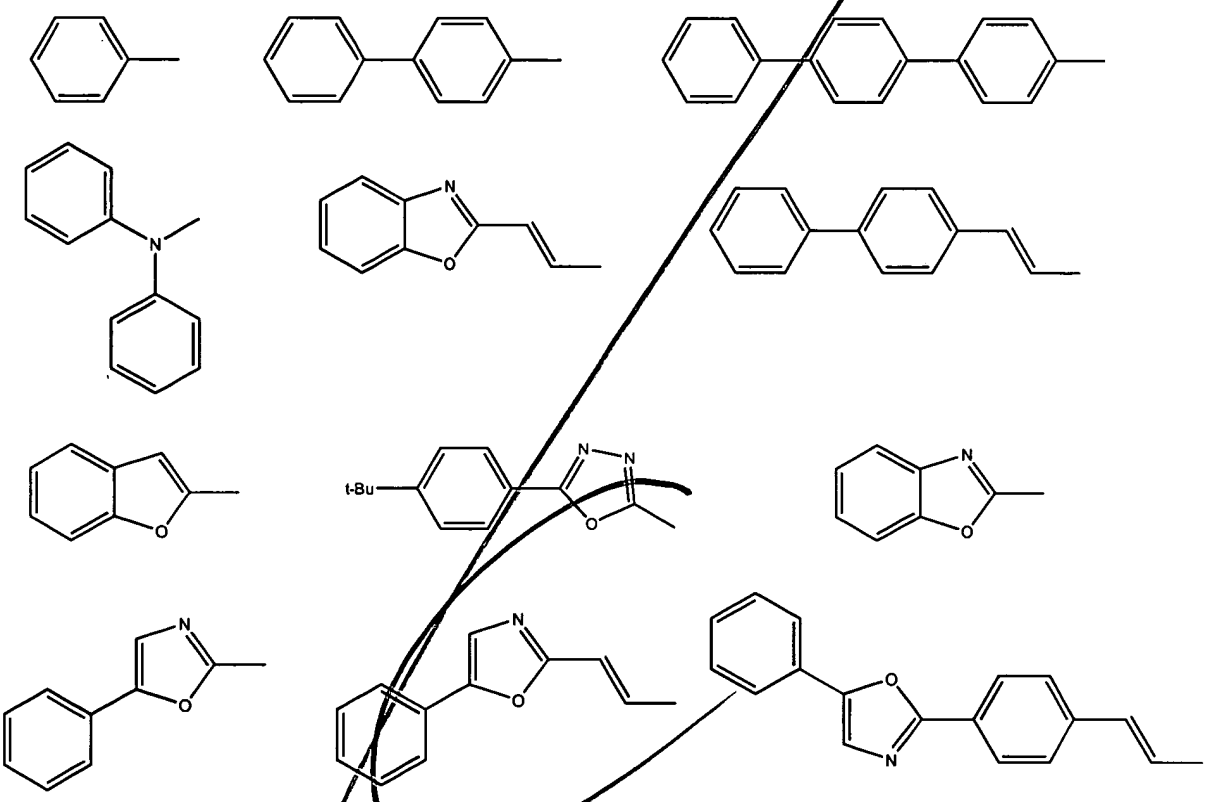
IIId) K^a = M and is selected from the group consisting of:



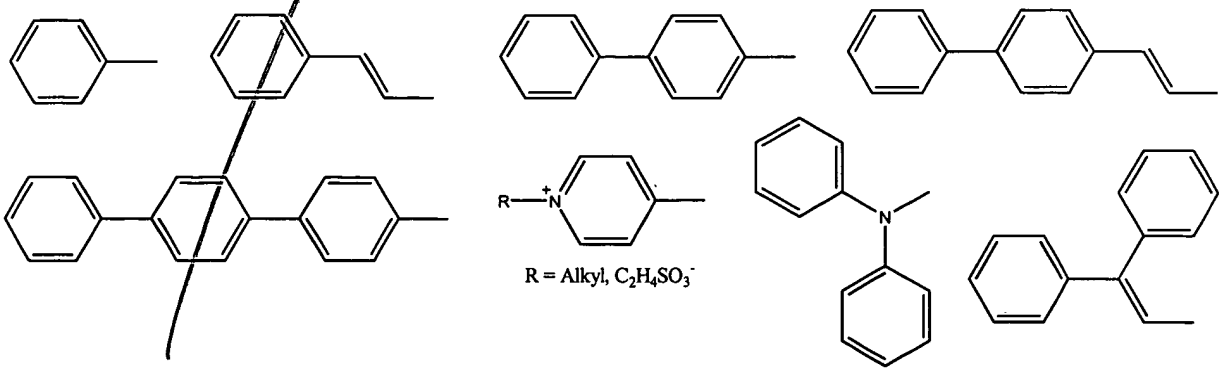
and N^a = L and is selected from the group consisting of:



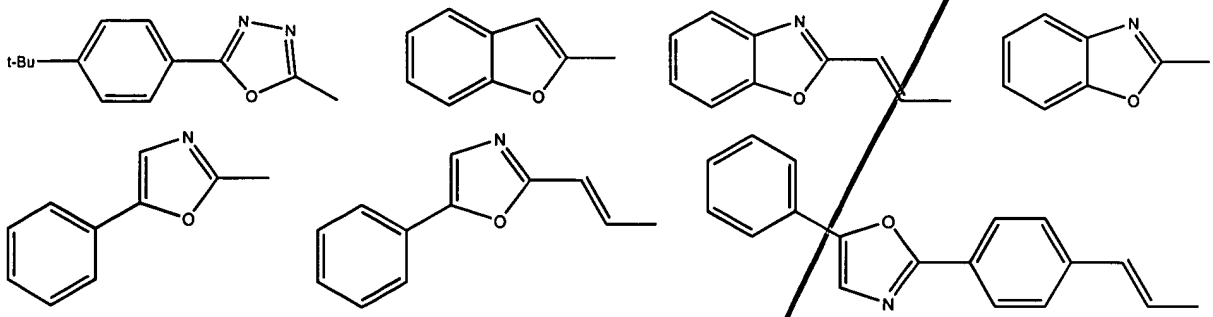
IIIe) K^a = L = H and M = N^a and is selected from the group consisting of:



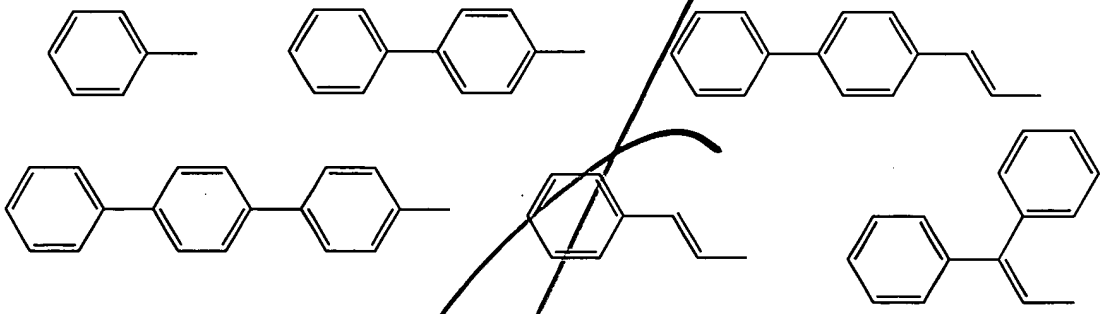
IIIf) K^a = L and is selected from the group consisting of:



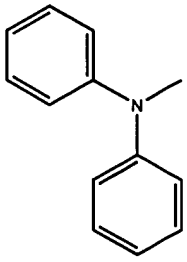
and M = N^a and is selected from the group consisting of:

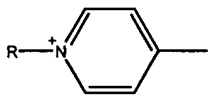


IIIg) K^a = L and is selected from the group consisting of:



and M = N^a and is selected from the group consisting of:

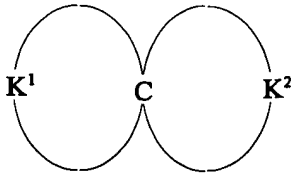




9. A laser system comprising:

(a) an optical pumping device selected from the group consisting of a flash lamp and a laser;

(b) a solid spiro compound of formula (I)



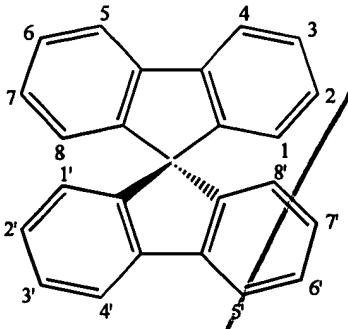
(I)

where K^1 and K^2 are, independently of one another, conjugated systems;

wherein excitation of the solid spiro compound is achieved by optical excitation with the

optical pumping device.

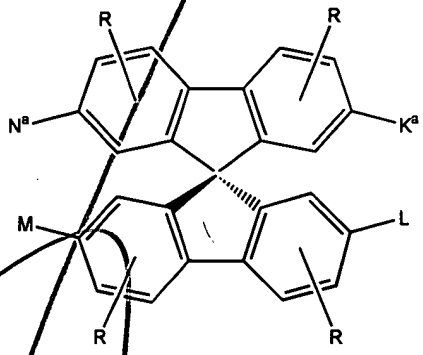
10. The laser system of claim 9, wherein said spiro compound is a spirobifluorene of formula (II)



(II)

wherein the benzo groups can be substituted and/or fused independently of one another.

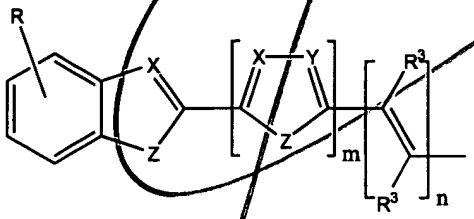
11. The laser system of claim 9, wherein said spiro compound is a spirobifluorene derivative of formula (III)

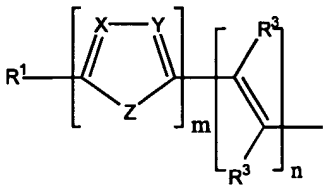


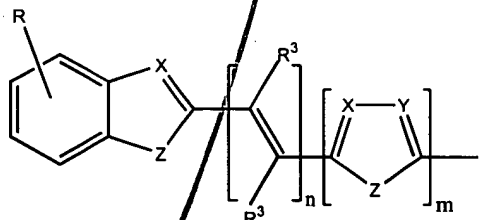
(III)

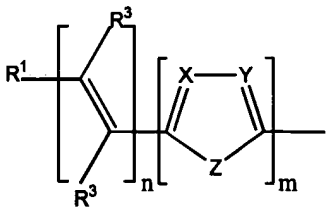
wherein:

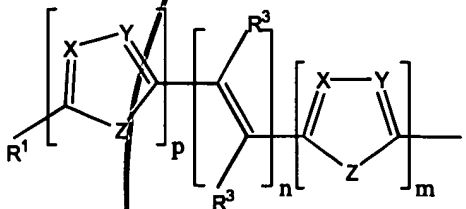
K^a, L, M, N^a are identical or different and are

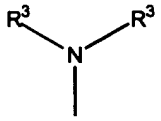












R is identical or different and has the same meaning as K^a, L, M, N^a or is H, a linear

or branched alkyl, alkoxy or ester group having from 1 to 22 carbon atoms, -CN, -NO_2, -NR^2R^3, -Ar or -O-Ar;

Ar is phenyl, biphenyl, 1-naphthyl, 2-naphthyl, 2-thienyl, or 2-furyl, with each optionally substituted with one or two radicals R;

m, n, p are 0, 1, 2 or 3;

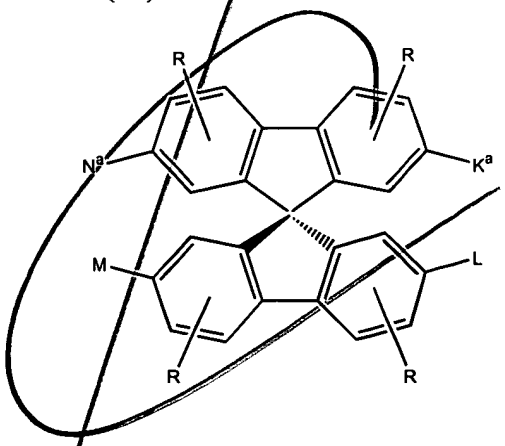
X, Y are identical or different and are CR or nitrogen;

Z is -O-, -S-, -NR^1-, -CR^1R^4-, -CH=CH-, or -CH=N-;

R^1, R^4 are identical or different and have the same meaning as R; and

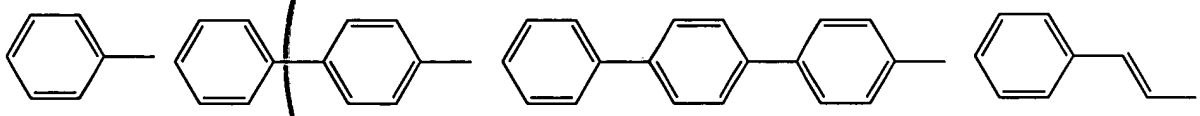
R^2, R^3 are identical or different and are H, a linear or branched alkyl group having from 1 to 22 carbon atoms, -Ar, or 3-methylphenyl.

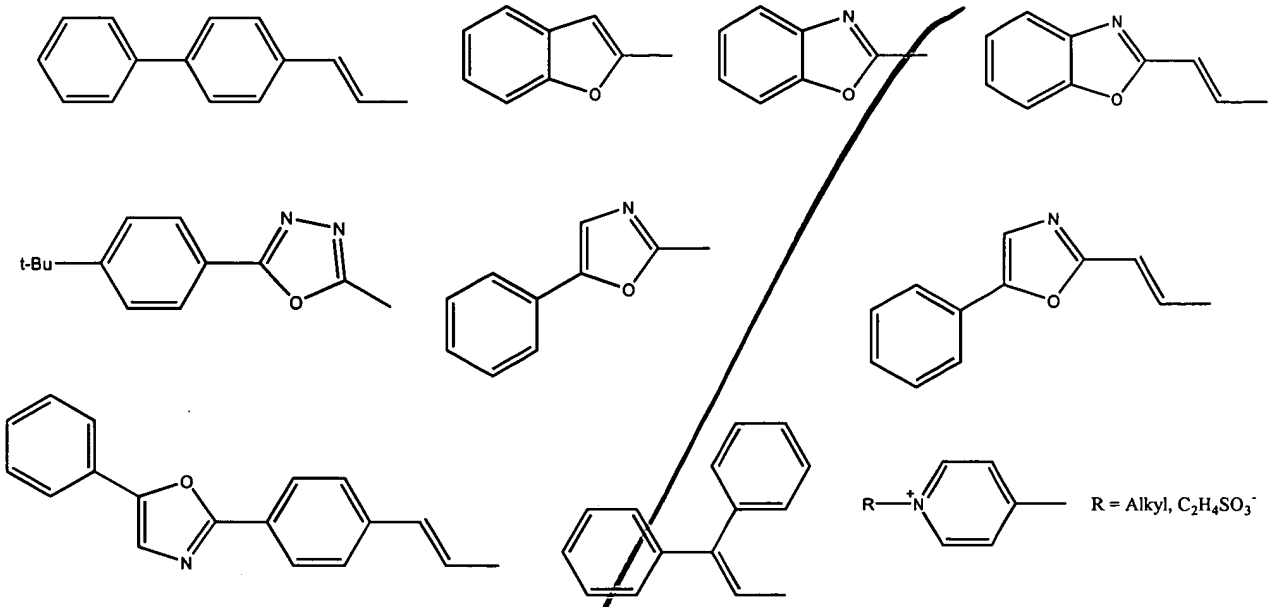
12. The laser system of claim 9, wherein said spiro compound is a spirobifluorene compound selected from the group consisting of the spirobifluorene compounds of the formula (IIIa) to (IIIg), wherein formula (III) is:



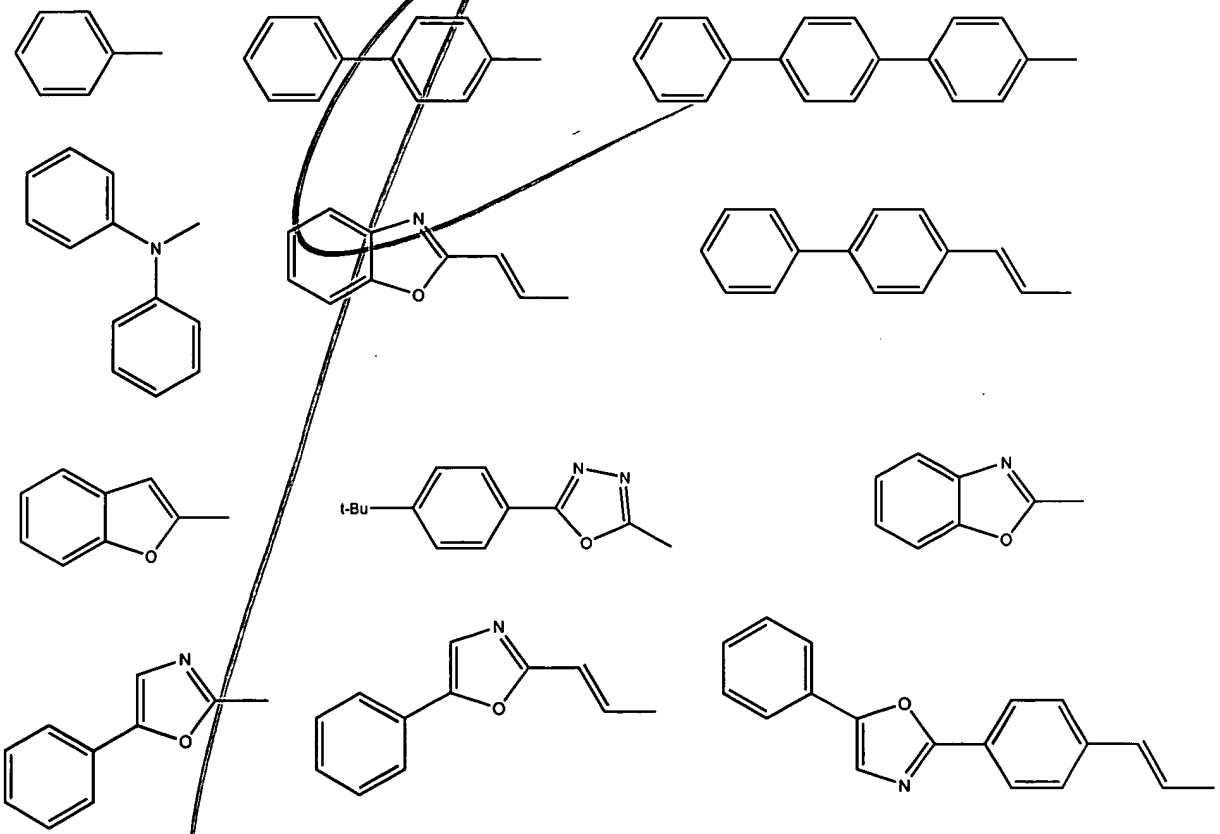
and the spirobifluorene compounds (IIIa to IIIg) are derivatives of formula (III) as follows:

IIIa) $K^a = L = M = N^a$ and is selected from the group consisting of:

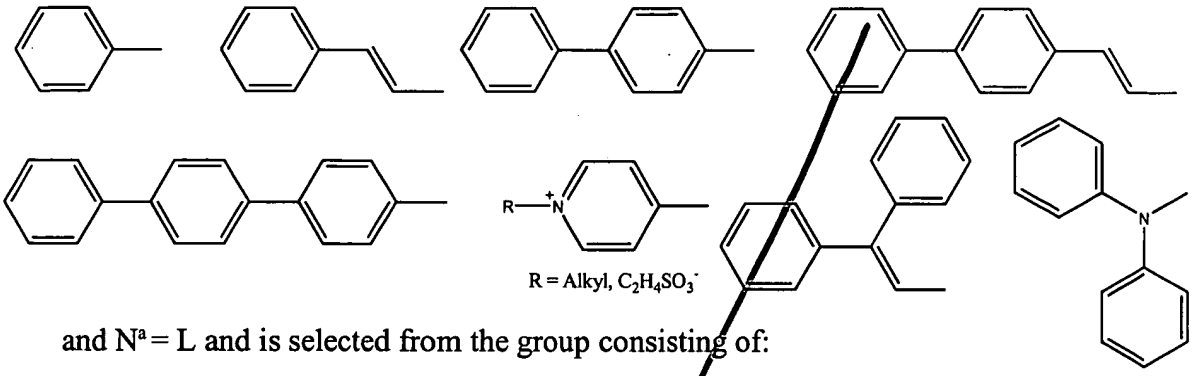




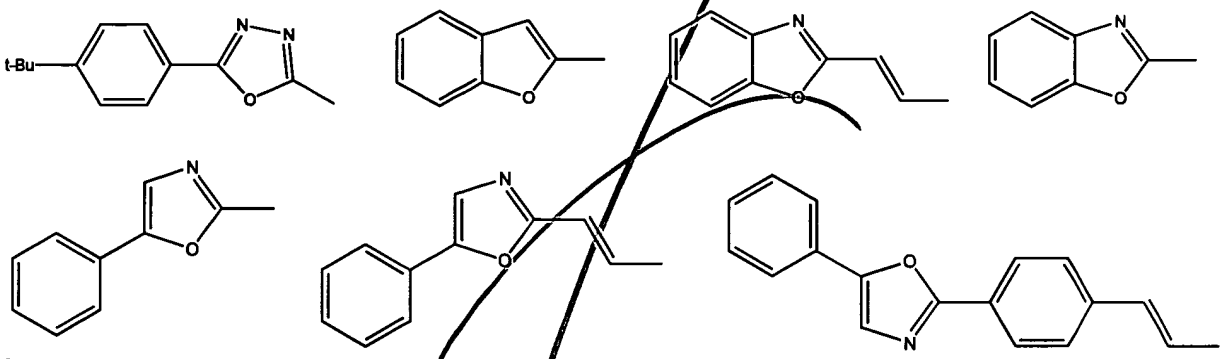
IIIb) K^a = M = H and N^a = L and is selected from the group consisting of:



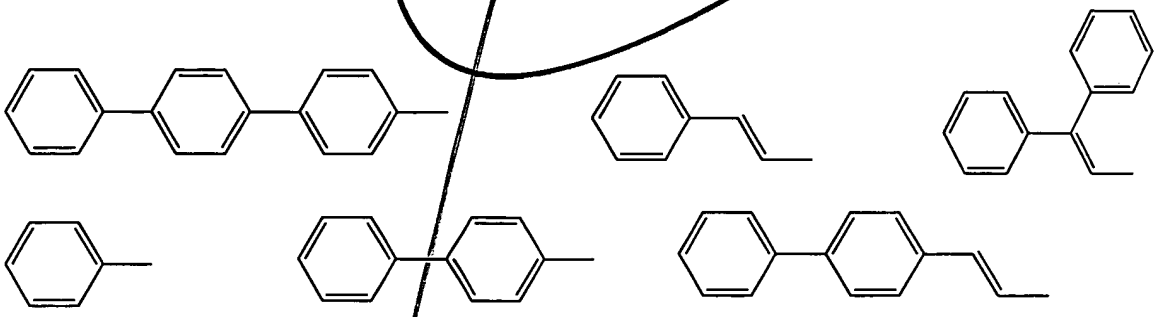
IIIc) K^a=M and is selected from the group consisting of:



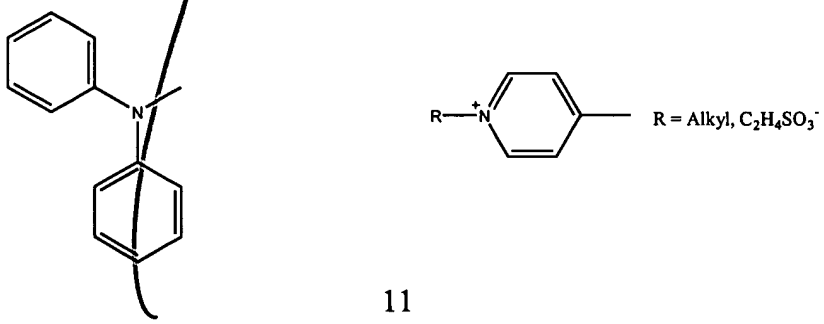
and N^a = L and is selected from the group consisting of:



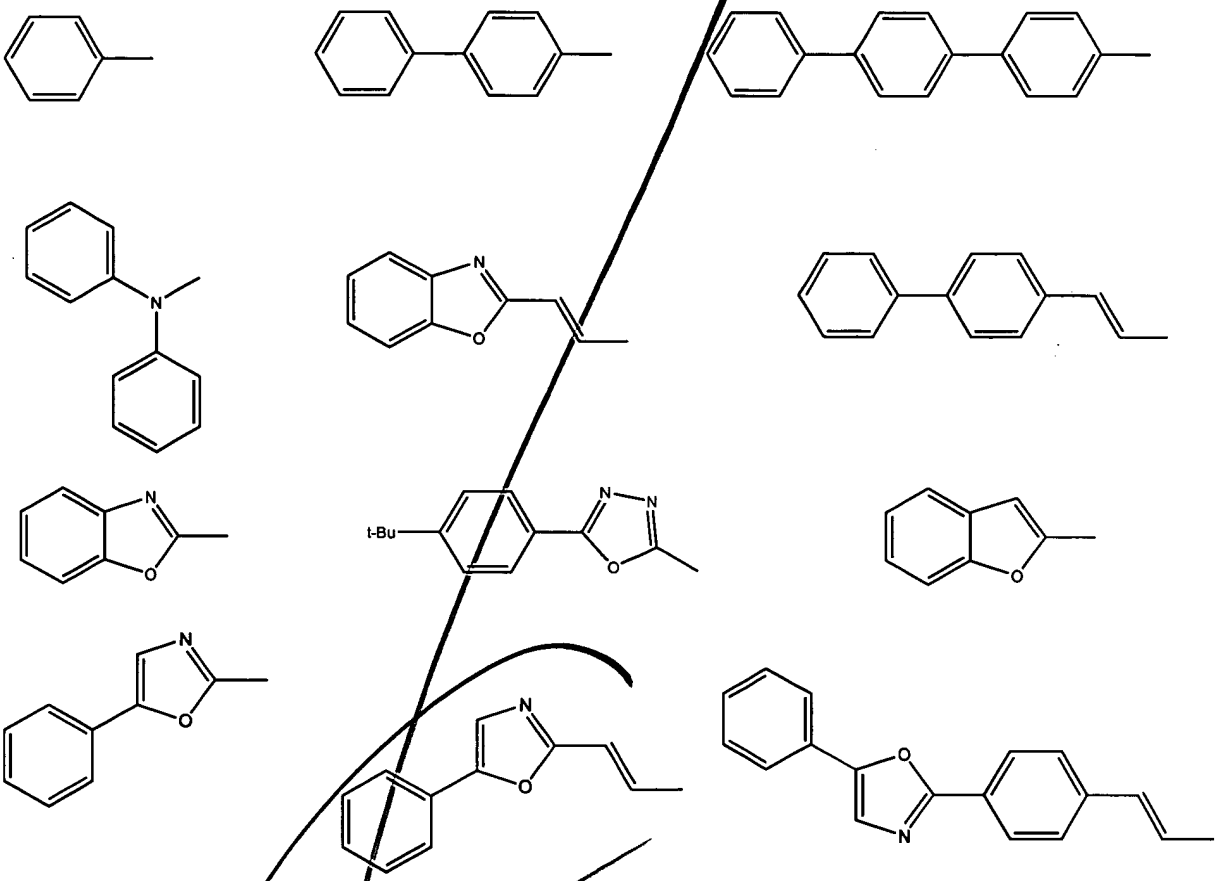
IIId) K^a = M and is selected from the group consisting of:



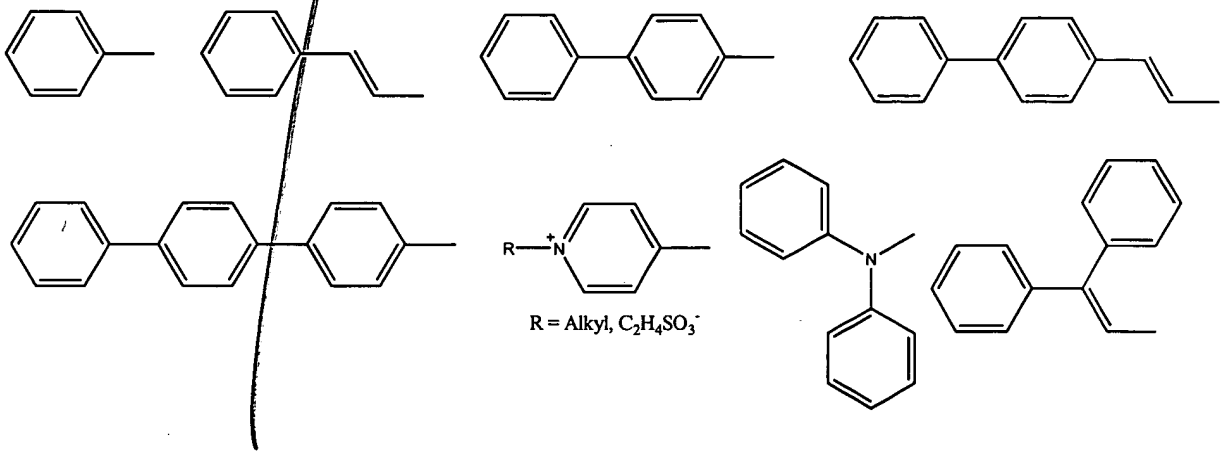
and N^a = L and is selected from the group consisting of:



IIIe) $K^a = L = H$ and $M = N^a$ and is selected from the group consisting of:

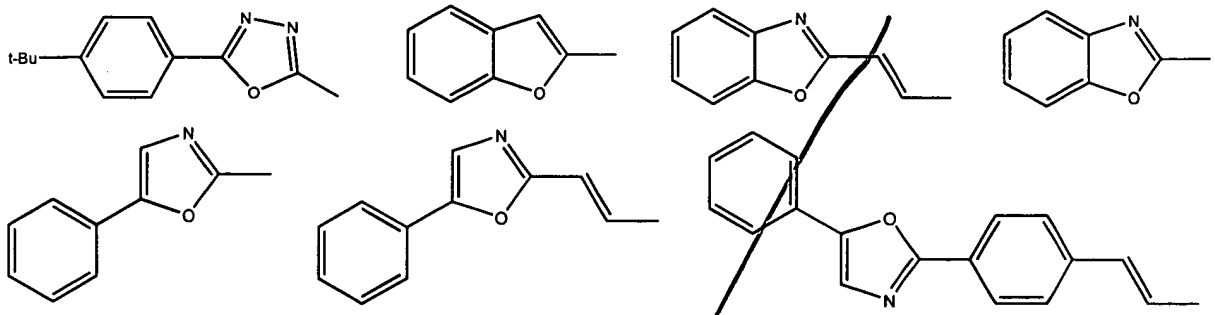


IIIf) $K^a = L$ and is selected from the group consisting of:

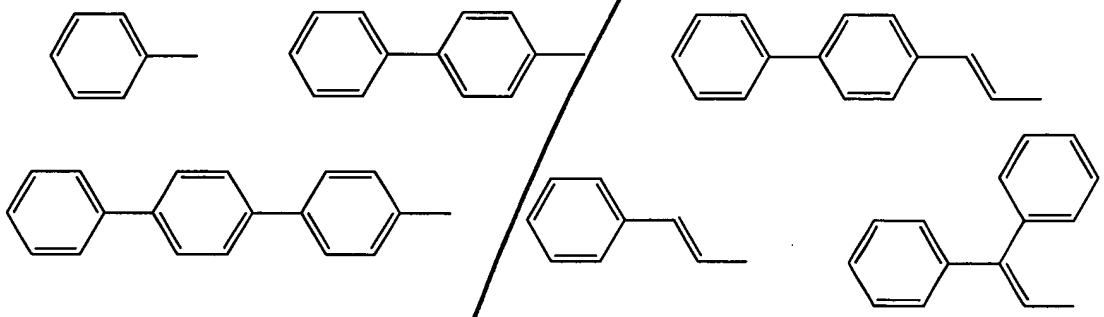


R = Alkyl, $C_2H_4SO_3^-$

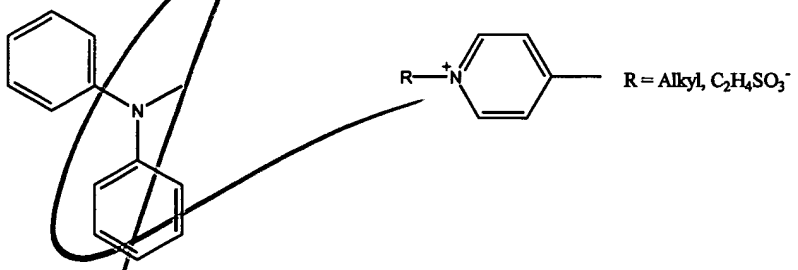
and M = N^a and is selected from the group consisting of:



IIIg) K^a = L and is selected from the group consisting of:



and M = N^a and is selected from the group consisting of:



13. The laser system of claim 9, wherein the optical pumping device is a laser.

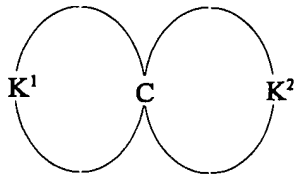
14. The laser system of claim 10, wherein the optical pumping device is a laser.

15. The laser system of claim 11, wherein the optical pumping device is a laser.

16. The laser system of claim 12, wherein the optical pumping device is a laser.

17. A method for emitting a narrow band width of optical light comprising exciting a solid

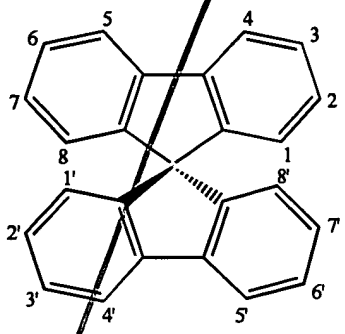
spiro compound of formula (I)



(I)

where K^1 and K^2 are, independently of one another, conjugated systems with a laser.

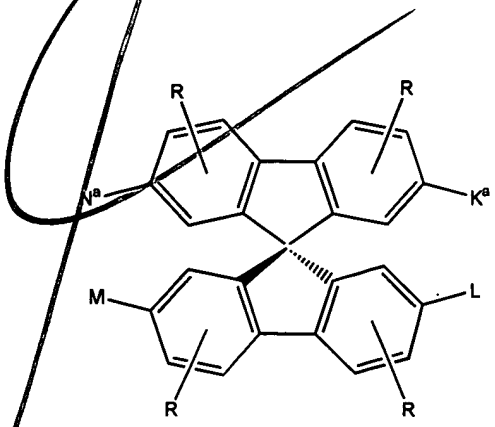
18. The method of claim 17, wherein said solid spiro compound is a spirobifluorene of formula (II)



(II)

where the benzo groups can be substituted and/or fused independently of one another.

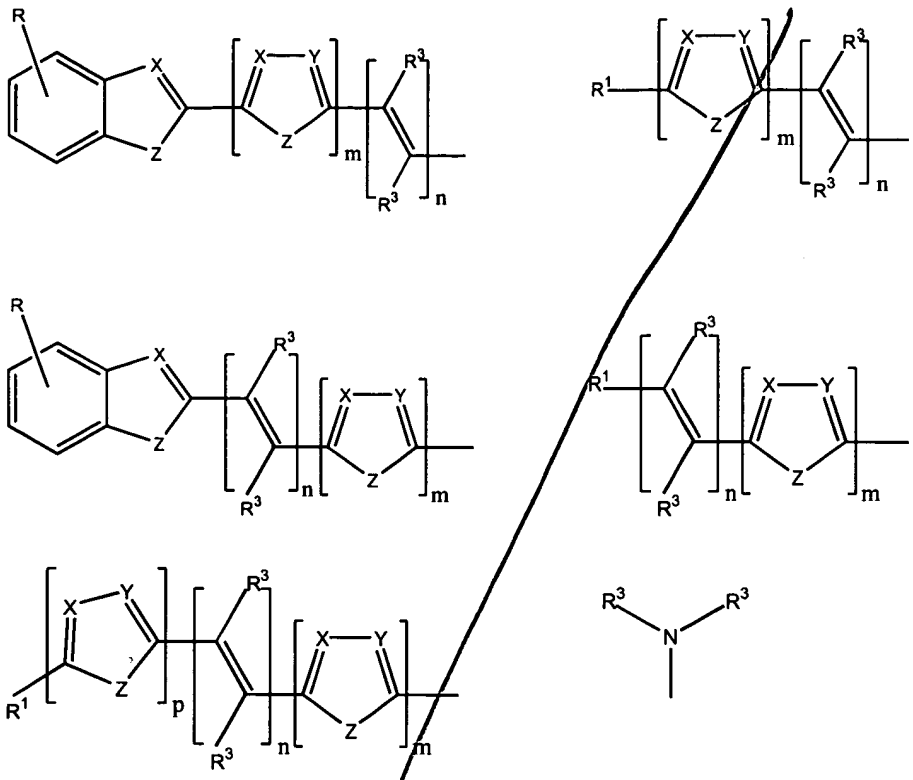
19. The method of claim 17, wherein said spiro compound is a spirobifluorene derivative of formula (III)



(III)

wherein:

K^a, L, M, N^a are identical or different and are



R is identical or different and has the same meaning as K^a, L, M, N^a or is H, a linear or branched alkyl, alkoxy or ester group having from 1 to 22 carbon atoms, -CN, $-NO_2$, $-NR^2R^3$, -Ar or -O-Ar;

Ar is phenyl, biphenyl, 1-naphthyl, 2-naphthyl, 2-thienyl, or 2-furyl, with each optionally substituted with one or two radicals R;

m, n, p are 0, 1, 2 or 3;

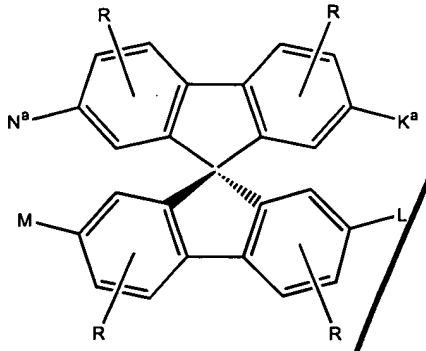
X, Y are identical or different and are CR or nitrogen;

Z is -O-, -S-, $-NR^1-$, $-CR^1R^4-$, -CH=CH-, or -CH=N-;

R^1, R^4 are identical or different and have the same meaning as R; and

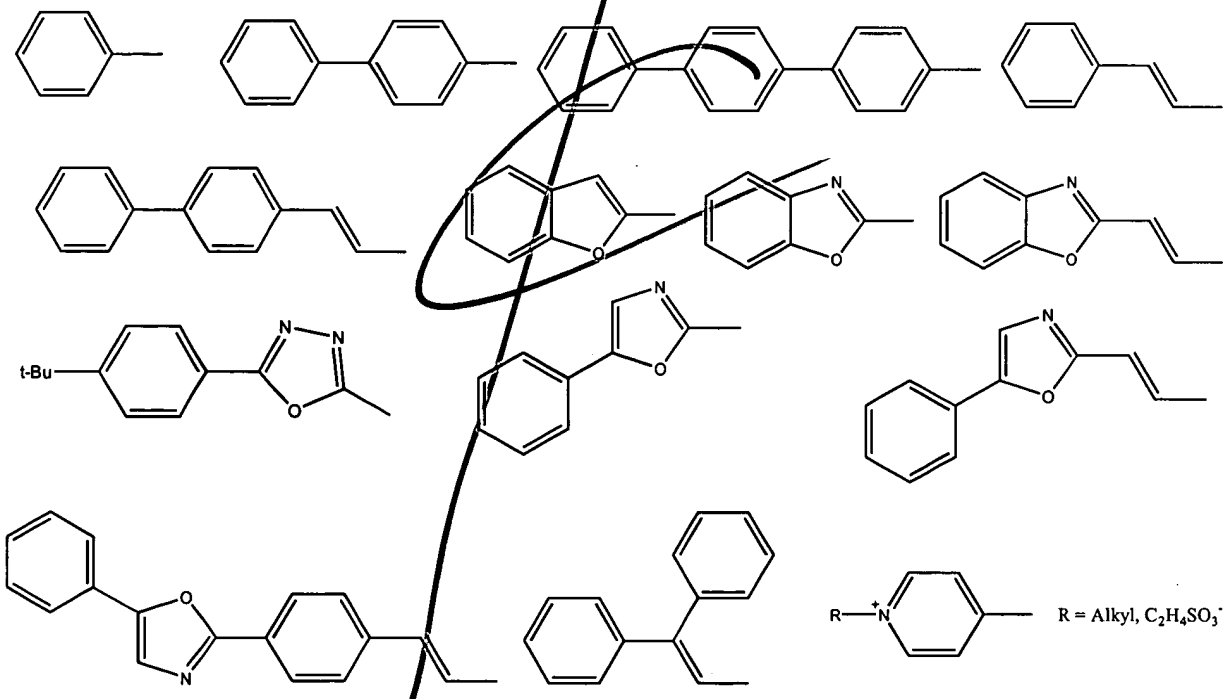
R^2, R^3 are identical or different and are H, a linear or branched alkyl group having from 1 to 22 carbon atoms, -Ar, or 3-methylphenyl.

20. The method of claim 17, wherein said spiro compound is a spirobifluorene compound selected from the group consisting of the spirobifluorene compounds of the formula (IIIa) to (IIIg), wherein formula (III) is:

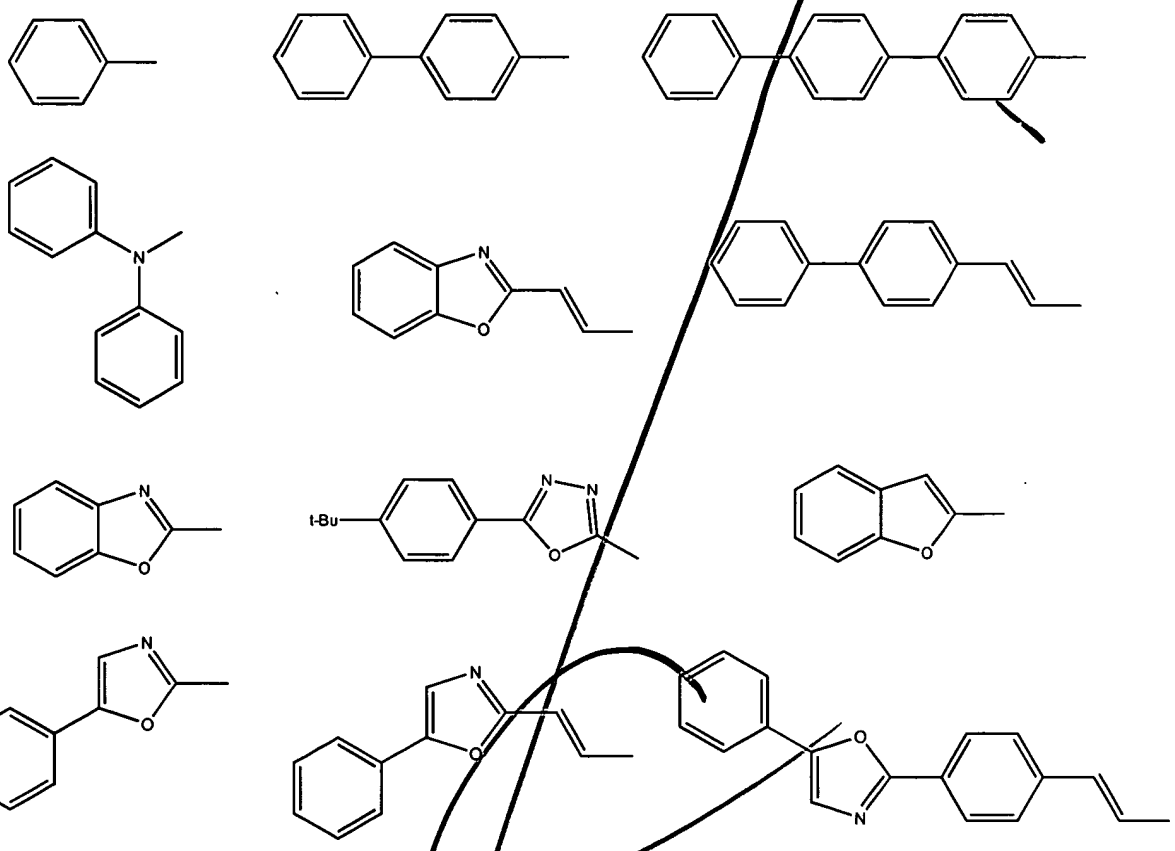


and the spirobifluorene compounds (IIIa to IIIg) are derivatives of formula (III) as follows:

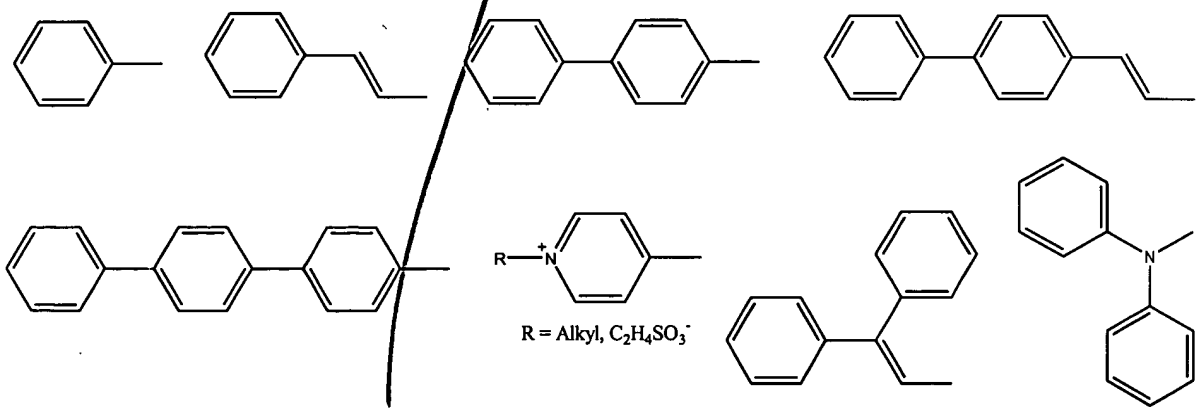
IIIa) $K^a = L = M = N^a$ and is selected from the group consisting of:



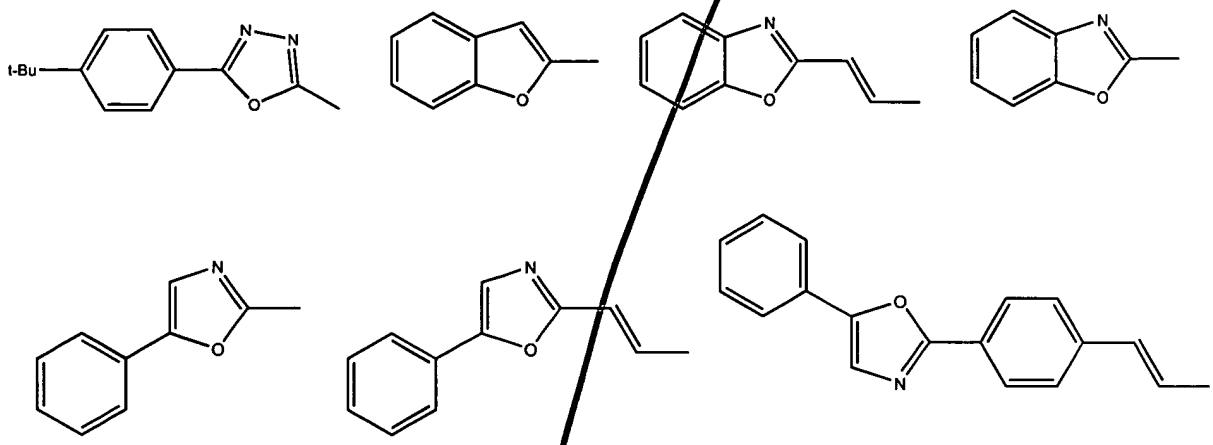
IIIb) $K^a = M = H$ and $N^a = L$ and is selected from the group consisting of:



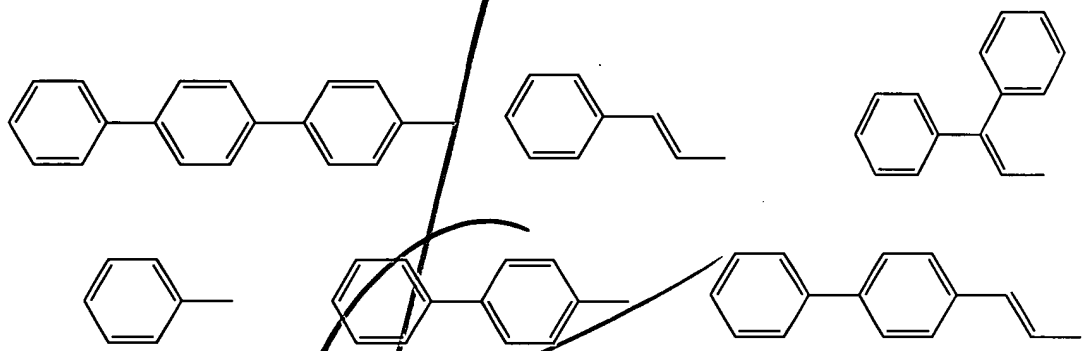
IIIc) K^a=M and is selected from the group consisting of:



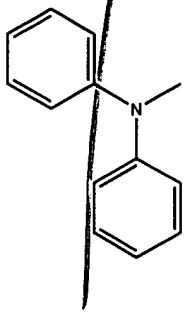
and N^a = L and is selected from the group consisting of:

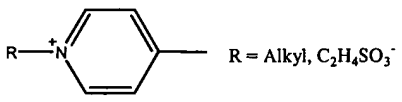


IIId) K^a = M and is selected from the group consisting of:

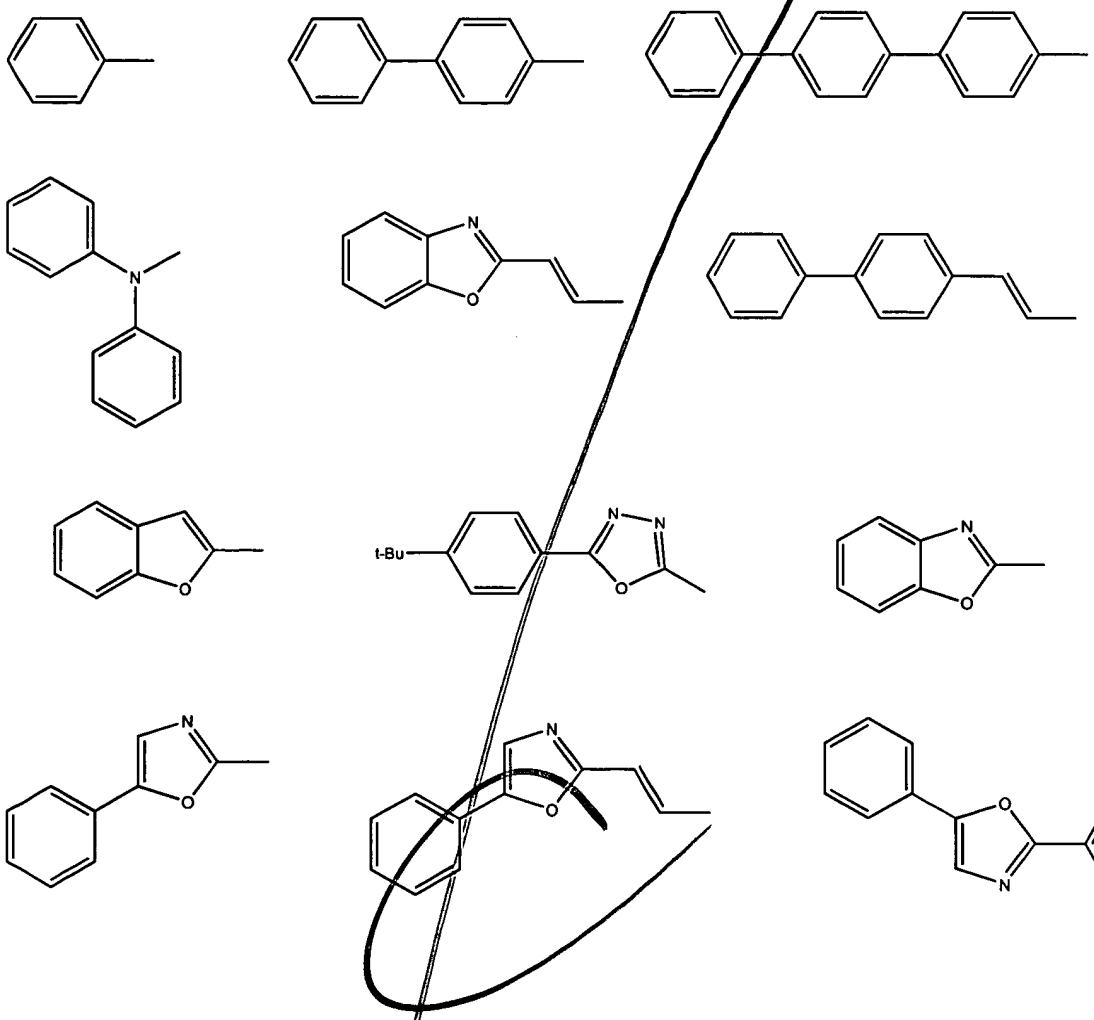


and N^a = L and is selected from the group consisting of:

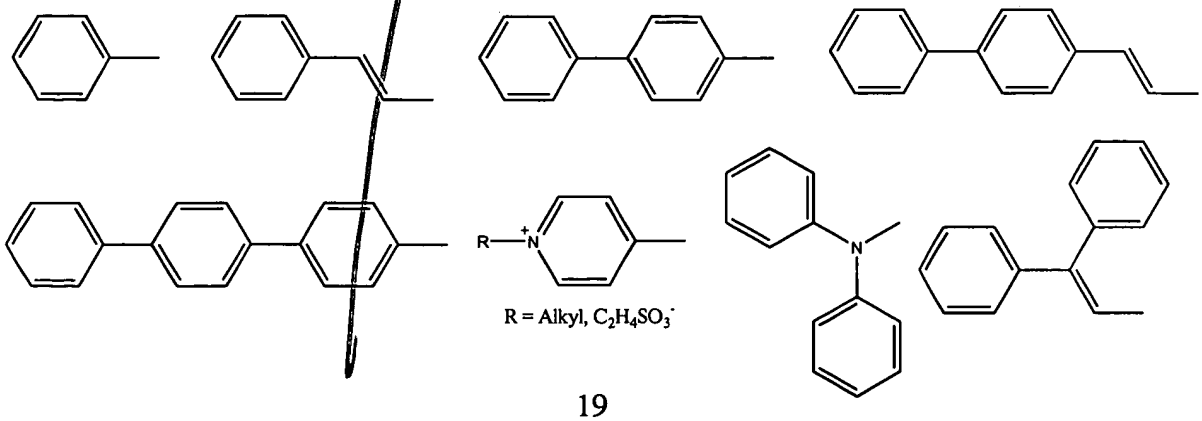




IIIe) K^a = L = H and M = N^a and is selected from the group consisting of:

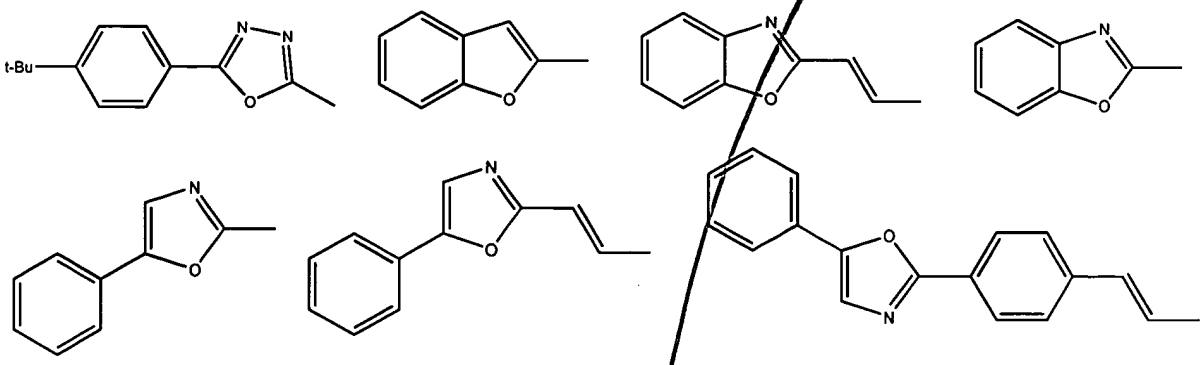


IIIf) K^a = L and is selected from the group consisting of:

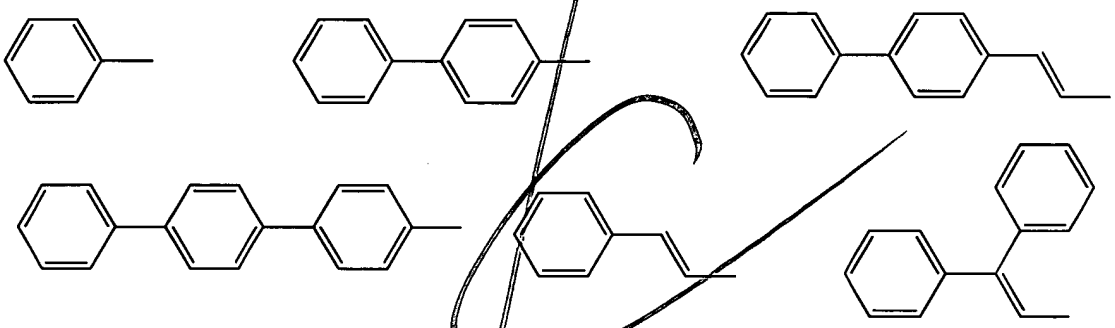


R = Alkyl, $C_2H_4SO_3^-$

and M = N^a and is selected from the group consisting of:



IIIg) K^a = L and is selected from the group consisting of:



and M = N^a and is selected from the group consisting of: